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(54) Title: EFFICIENT DYNAMIC STIMULATION IN AN IMPLANTED DEVICE

(57) **Abstract:** A method for measuring impedance of a tissue (20), consisting of charging a capacitor (C15) to a potential, and discharging the capacitor for a discharge period through the tissue. The method further consists of measuring a voltage drop on the capacitor over the discharge period and determining the impedance of the tissue responsive to the potential, the voltage drop, and the discharge period.